SEQUENCE LISTING

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Hanzel, David K.
Casey, Graham
Witte, John S.

<120> Detection Methods

<130> PB0262

<140> PCT/US03/30359
<141> 2003-09-25

<150> US 60/413,583
<151> 2002-09-25

<150> US 60/491,842
<151> 2003-08-01

<160> 45

<170> PatentIn version 3.1

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<223> Alternative allele: G.

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aggcactttc tagaggcatg caggcataga tagccatgtt ctaagagtaa agggcaaccc   120

taagcaaacc tggcatgcta gaaagtcagt ctgcggtctg tggatcacct acatcagatc   180

aaatgccaat tctcagcctc c   201

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actagcatga atcctatgaa attagattgg aatggatgta accgtgtata ttcataccct   120

tgtagataga tagatgggta gatagatgat agataggtaa cagatagatg acagataatg   180

agatagatag atgtaaatgt a   201

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gcactccagt ctgggtgaga gtgagactca gtcttaaaaa aatatgcctt tttgaagcac   120

gtacattttg taacaaagaa ctgaagctct tattatatta ttagttttga tttaatgttt   180

tcagcccatc tcctttcata t   201

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ctccaccagc ctttctagtt gcccactgtg tgtacagcac cctggtaggg accagagcca   120

tgacagggaa taagactaga ctatgccctt gaggagctca cctctgttca gggaaacagg   180

cgtggaaaca caatggtggt a   201

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tcaaaagatg cacaaggggc tgctgatctc actgctgtag cggtgctcct tatgcataga   120

cctgcccttg ctcagccact ggcctgaaag aggggcaaaa gtcatagaag gaatggcttc   180

cagttgagaa ccttgatgtc t   201

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gaactattgg aactgataaa cacattcagt aaagttgcag gatacaaaat cagcatacaa   60

aaatcagtag catttctata tgccaatagt gaacaatctg gcaaaaataa aaaagtaatc   120

ccatttacaa tagccacaaa taaaactaaa tacctagaaa ttaacttaat caaagaagag   180

aaaggtctct acaatgaata c   201

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tttcaaatac ctcctctgtt ttctcttatt tcctttatga cgtctccaaa taagcttcct   120

ctaactgcca gcaagtctga tttcattggc ttcgactgtt ttcatcccaa ttagaggcag   180

ggttaagtac attaaaaata a   201

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<223> Alternative allele: T.

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tcagatgaat atcaccagtt ggaaggctag attccacaag aggaggaatg acctggaaat   180

tggttcttta gttgtgattc t   201

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<223> Alternative allele: T.

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aggcacagcc aagagctctg gctgtattaa tgacctaaga agtcaccaga aagtcagaag   120

ggatgacatg cagaggccca gcaatctcag ctaagtcaac tccaccagcc tttctagttg   180

cccactgtgt gtacagcacc c   201

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<223> Alternative allele: base deleted.

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aaaatacaca aattagctag gcatggtgga ctcgcctgta atctcactac acaggaggct   180

gaggcaggag aatcacttga a   201

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<223> Alternative allele: T.

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cagccagagc ctaaataggg tatggagaac ccacatgagg cgaggagggc atccatgagt   120

gggaggggtt gggtgaggtt tggctacata aaggggattg atcaaataag taaatgtatt   180

aaggatgata gaagccaggc t   201

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<223> Alternative allele: C.

<400> 12
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gatgtcttct tttgagaagt gtctgttcat atcctttgcc tattttttga tggggttgtt   120

tgcttttttt cttgtaaatt tgtttaagtt ctttgtagat tctggatgtt agcccttcgt   180

cagatggata gattgcaaaa a   201

<210> 13
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<213> Homo sapiens

<220>
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<222> (101)..(101)
<223> Alternative allele: G.

<400> 13
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catgtctaca tccactttg tctgtatgtc tatgtatcta tctatgtatc tatctagcta   120

tgtatctatc tatctatcta tctatcatct atctatctat ctatcatcta tccatctatc   180

atctatcatt tatccatcta t   201

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<223> Alternative allele: G.

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agactgtcca tataattaaa atgtacaata actacccagg tttaccttgc aagtttcaac   120

atacacaaaa ttaactttat atgactcttc aaaaacagtt tgccatcata cctaataatc   180

tggtttaaat tttaaaaact c   201

<210> 15
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<212> DNA
<213> Homo sapiens

<220>
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<222> (101)..(101)
<223> Alternative allele: T.

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atgactaatt taaggcattt ctggtggata taaaggacta ccacagtcca aggccatcct   120

gactgacctc accttccagg tgcctagctc catccagctg ggctcctttt caacccaatt   180

ataactctat taatgttgtt c   201

<210> 16
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<220>
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<222> (101)..(101)
<223> Alternative allele: A.

<400> 16
agagtgtggc tttaaaagct tccccattgc ttctcatgtg aagccaaggt tgagaatgac   60

taatttaagg catttctggt ggatataaag gactaccaca gtccaaggcc atcctgactg   120

acctcacctt ccaggtgcct agctccatcc agctgggctc cttttcaacc caattataac   180

tctattaatg ttgttcccag c   201

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<222> (101)..(101)
<223> Alternative allele: A.

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acctcacctt ccaggtgcct agctccatcc agctgggctc cttttcaacc caattataac   120

tctattaatg ttgttcccag ccaggcatgg tggctcatgc ctgtaatccc agcactttgg   180

gaggccgaag caggcggatc a   201

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<222> (101)..(101)
<223> Alternative allele: A.

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tgctgaggag tgctttactt ccaattatgt ggtcaatttt ggaataagtg cgatgtggtg   120

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ccgcttggtg cagagctgag t   201

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<223> Alternative allele: C.

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atgagcaaaa agaagcccag agggcaccct gtcagcgaaa agaaccccaa tgctgctgca   120

ttctaattaa gggttctttc tttctccttg atctactgta tttctgaagg aattgggagt   180

aggaggcctt agggtctgtc   200

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<223> Alternative allele: G.

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cagcccaatc tctgggctcc agagaaaggg agagccaatt ctctcaggct ttctgtgcag   120

gaagactagg cctgccctgc tccttaccca agcagtagtt ggctttgacc ccagagtaga   180

gctgccccat cttctggaag c   201

<210> 21
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<222> (101)..(101)
<223> Alternative allele: A.

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cttttcatgg aaaatggggg cagtgactac tgtcctccat gaaagctgct ggggagaatt   120

agcctagcta ttgcaggctg ggattgctgc tttcctggtg ctatttccag ctactcaggc   180

tcacaggggc agttttctac a   201

<210> 22
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<220>
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<222> (101)..(101)
<223> Alternative allele: T.

<400> 22
attgggagta ggaggcctta gggtctgtcc taccaagtcc ttgcagtcat ggtggagtgc   60

agtggggctg tgcccacatg ggagtcagca tgccaggtac ctgccttctc ctccaggaag   120

gaaagcaggg accagaggtg taagggcaag agtggggtgg atggtgtgag attcctacag   180

ccttgcctgc tctctaaagg c   201

<210> 23
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<220>
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<222> (101)..(101)
<223> Alternative allele: G.

<400> 23
gccactgtgc cctgccagcc tctcagcttt gatcaagcca agggttggtt tattttttct   60

tggaccaatc agccaggtct gctgaccaac tacctagctc ccacctctgc tggcttcctc   120

ccggggggcag agaagatgga gaaggctagt catgtggatc ttcagggtca ggaaatggaa   180

aagggaggct ttggacccctt t   201

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<223> Alternative allele: A.

<400> 24
atggagaagg ctagtcatgt ggatcttcag ggtcaggaaa tggaaaaggg aggctttgga   60

ccctttgct ttggggggca cctctaggag gaggcagctc ggcccaagtc cagactgggt   120

agacaaaaca tctgcactct ccaaatgtgg gcttgtggct gggtatgcag gcttgcaatg   180

gaagggtaaa cctgagtgag g   201

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<222> (101)..(101)
<223> Alternative allele: T.

<400> 25
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cttttttcctg attacctccg ccacctctac ctcctctgcc acttaaaacc tttgccattt   120

ctctgcagag atagatttag cctttttaatt atgcacctta gtactccaga taatgacctt   180

catttctttt ccaattacca t   201

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<222> (100)..(100)
<223> Alternative allele: G.

<400> 26
atttttaggg aacaagggaa aacaaccata aggtctgact gcctgcaggg tcgggcagaa   60

agagccatat tttccttctt gagagaggct ataaatggac atgcaagtag ggaagatatc   120

actaaattct tttcctagca aggagtatta ttattaatac cctgggaaag gaatgcattc   180

ctgggggggag gtctataaac a   201

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<223> Alternative allele: T.

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accctgtttg ctgttgttta aggtgtttat caagacagta cgtgcaccgc tgaacataga   120

ccctcatctg tagttctgct tttgcccttt gccttgtgat ctttgttgga cccttatcag   180

tggttctgct tttgcccttt g   201

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<213> Homo sapiens

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<221> SNP
<222> (101)..(101)
<223> Alternative allele: A.

<400> 28
tacagccagg attcatgtta cttttcatgg aaaatggggg cagtgactac tgtcctccat   60

aaaagctgct ggggagaatt agcctagcta ttgcaggctg ggattgctgc tttcctggtg   120

ctatttccag ctactcaggc tcacaggggc agttttctac aatgacattt cagggttgct   180

gatgagcctc ccactcagca g   201

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<212> DNA
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<220>
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<222> (101)..(101)
<223> Alternative allele: A.

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gaaggagttt cgctcttgtt gccctggctg gagtgcaatg gcatgatctt ggctcactgc   120

aacccctgcc tcctgagttc aagtgattct cctgcctcag cctccaaaat agctgggatt   180

gcaggcgtgt gccaccatgc c   201

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<222> (50)..(50)
<223> Alternative allele: C.

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gaacgcttgt aattggaata catggaaata tttgtcttct caggcctatg tttgcggaat   120

gcattgtcaa tatttagcaa actgttttga   150

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<221> SNP
<222> (51)..(51)
<223> Alternative allele: G.

<400> 31
cgagaacagt tttacaatag acattgcaaa ctctcatgtt tttggaaact agtggcaata   60

tccaaataat gagtagtgta aaacaaagag aattaatgat gaggttacat gctgcttgcc   120

tccaccagat gtccacaaca atatgaagta c   151

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<223> Alternative allele: A.

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ctgatgggcc acggctcatt ggctctagga gctgggaaag ggcatcccag gaaagaagcc   120

ctagacttta gcctgagtct gggccactct aggggaccgg gagtggggtg gcgggagagg   180

acgcgcagaa tctcgacttc t   201

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<223> Alternative allele: eight A's instead of seven after base 100.

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gaaaagagag gaagaaattg agacagaaga catttcattt aaaaaaatat tccattgagc   120

tgggtttgaa atagtgcact gcctgttctc ctaatgctgt atggtgtcat gaaatctatt   180

gtttactgag tctatgagcc   200

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<220>
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<223> Alternative allele: C.

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cttccttttt cttggttaat taggaaagat gagaaattat taggtagacc ttgaatacag   120

gagccctctc ctcatagtgc tgaaaagata ctgatgcatt gacctcattt caaatttgtg   180

cagtgtctta gttgatgagt g   201

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<223> Alternative allele: T.

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<309> 2003-03-07

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catccaaaac tgtcctgggc tgcatgtggc ccacaggctg cgggttggac aagcctggcc   120

tagaaggctt tgcccccatg tattcatggg ggttggttcc tcactttatt tagttcccta   180

ccaatttgca cctcctcaaa gggactttcc c   211

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<223> Alternative allele: T.

<300>
<308> NCBI SNP CLUSTER ID: rs545303
<309> 2003-03-07

<400> 36
gggaactcac agtttttttgg ctgtctcata gagtttgcaa cagtaaaact gcttctttca   60

aagggtctgt gaattctttc agttttcctg gtatgttccc atggtagttc ttgcagcaaa   120

agctcacagt gtgagtctcc acacactgtt ctgtccattc caagcaggag ctgcatgtta   180

gttctgtctg ctatccacca ttttccaatt ttg   213

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<211> 20
<212> DNA
<213> Homo sapiens

<400> 37
tggccttgta cgtcgcgaag   20

<210> 38
<211> 21
<212> DNA
<213> Homo sapiens

<400> 38
agcagggcag tgcgctgcac t   21

<210> 39
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<222> (37334)..(37334)
<223> Unknown base.

<300>
<308> http://www.genome.utah.edu/genesnps/
<309> 2002-06-05
<313> (1)..(37073)

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ggatccctac tcactgtctt ctctctacag aacgagatgt ctctggagtc catagaaagc   60

ccaggagcct ggctgggcac ggtggctcct gcctgtaatc ccagcacttt gggaggccga   120

ggcaggcaga tcacctgagc tcaggagttc aagaccagcc tgggcaacat ggcaaaaccc   180

catctctact aaaaatacaa aaaattagct gggcgtggtg gtgcatgcct ctaatcccag   240

ctacttggga ggctgaggca caagaattgc ttgagcccag gaggcagcag ttgcagtgag   300

ctgagattgt gccagtgcac tccagcctgg gcaacagagc aagattccat ttcaaaaaca   360

aaaacaaaca caaacaaaca aacaaaaata gaaagcccag ggaccacctg cgtcaggttc   420

ccagccacac cttttcttg tcctcctctg tctctggcat cttctcacag gttcctaatt   480

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gctattttt ttttgaagga agataacaag tgttgacaag aacatggaga aattggaatt   600

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ttcacaaggg ccaaaaggtg ctaatagccc acatgtccat cgatggatgg ataaataaat   840

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Page 14

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ccccggccag ccttaagcct cttgctgacc ggtggagggc agaacctttg ccctaaaagt   1440

ataatatcca catgctggca tgattcctgg ccagatggct tctttattag cagtaattga   1500

aactgcctcg atacagacac tgtaccttgc aaccaaaaaa tgactcaaca atgataataa   1560

gggttaagct gggcctttct ctctttgcca gttaaattat atttattata gcttgacatg   1620

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